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Supplement to Census Catalogue of New Zealand Lichens

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Synopsis

THIS paper supplements the list of indigenous lichens enumerated in the Census Catalogue of the Lichen Flora of New Zealand, deletes as synonyms a number of the species listed, and draws attention to several listed twice under different genera.

THE supplementary list of indigenous lichens tabulated below represents (a) Species previously overlooked, (b) Species only recently detected in or recorded from New Zealand, (c) Species in herbaria of which no published record has been traced, and (d) Species replacing others in the catalogue now deleted as synonyms, but not previously enumerated. The Catalogue was compiled from published records and from species housed in local herbaria, and not on a critical examination of the plants themselves; and it is anticipated that a number of "species" listed will prove to be epharmonic morphological variants of earlier known species, for many were named on wholly inadequate material by botanists unfamiliar with their natural habitats and ecological environment. Furthermore the published descriptions were usually brief, and insufficient for purposes of identification. The relegation of such to synonymy will, of course, reduce the number of valid taxa, but many new and unnamed species are known, and others may be anticipated from the extensive areas of lichenologically unexplored territory that exist.

For the detection of many synonyms in the Catalogue the author is much indebted to "A second check-list of the lichens of continental United States and Canada" by Hale and Culberson, and regrets having previously overlooked this very important paper. However, lichen taxonomy is in a state of flux, and authors are not agreed on either the genus or even the family to which many lichens belong. Thus, in the list of synonyms included in the Catalogue there are a number (e.g., *Lobaria scrobiculata, Melaspilea metabola, Physma rigens, Pyrenula glabra, Stereocaulon colensoi,* etc.) listed as valid which are deemed synonyms by some authors, the associated synonym being deemed the valid name by others. Again, there are many subgenera (e.g., *Aspicilia, Hypogymnia, Menegazzia, Neuropogon, Placopsis, Psora, Pseudocyphellaria*) which are today accorded full generic status by many authors.

In his keys to lichen genera represented in New Zealand, the late Dr James Murray recognised as indigenous no fewer than 27 genera omitted from my Catalogue, in many cases because no recorded species was known. Seven of these are obligate foliicolous genera, namely, *Aulaxina, Byssoloma, Mazosia, Raciborskiella, Sporopodium, Tapellaria,* and *Trichothelium,* the known indigenous species being

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recorded by Santesson. Other genera deemed indigenous by Murray but omitted from the Catalogue include *Acrocordia, Endocarpon, Ephebe, Heterodea, Ionaspis, Lasallia, Micarea, Miltidia, Molleropsis, Pannoparmelia, Phlyctidia, Phlyctis, Placidiopsis, Polyblastiopsis, Pseudopyrenula, Psora, Psoromidium, Pyrenopsis, Thelidia,* and *Thyrea.* Genera catalogued by me but rejected by Murray as synonyms or for other reasons are *Anzia, Cladoniopsis, Melampydium, Microphiale, Phloeopannaria, Pyrenocollema,* and *Phyllopsora.*

Fifty species listed by Müller in his Conspectus (1894) as synonyms are deemed valid species today, and 120 listed by him as valid are now regarded as synonyms. In all, 240 species catalogued as valid indigens are no longer known by the names used by him. Some of Stirton's " species novae " have been omitted pending their corroboration. Du Rietz (*Austr. Assn. Advance. Sci.* (1928), Vol. 19: p. 635) draws attention to the doubtful accuracy of many early determinations and says that " *Alectoria ochroleuca* of the literature is certainly an *Usnea* species while *Cetraria glauca* is certainly *Pseudocyphellaria granulata* ".

Such facts serve to emphasise the urgent need for a critical evaluation of a large part of the New Zealand lichen flora, which it is one purpose of the Catalogue to emphasise and facilitate. This will involve re-examination of numerous type specimens preferably by botanists familiar with the lichen flora in its natural environment; and, in the light of modern concepts and techniques, the assessment of their validity and status. Another major need is for the preparation of suitable keys to the lichen flora at the species level.

SUPPLEMENTARY LIST OF LICHENS INDIGENOUS TO NEW ZEALAND

Alectoria jubata (L.) Ach.
——— *pubescens* (L.) Howe
——— *crinalis* (Ach.) Gyeln.
Anaptychia heterochroa Vain.
Arthonia cinnabarina varcoccinea Dietr.
——— *knightii* Zahlbr.
Arthopyrenia halodytes (Nyl.) Arn.
——— *sublitoralis* (Leight.) Arn.
Arthothelium cinerascens (Kremp.) Zahlbr.
——— *impolitum* (Ehrh.) Borr.
Aspidelia beckettii Stirt.
Bacidia atrogrisea (Del.) Körber.
——— *spirospora* Knight
Buellia citrina H. Magn.
——— *exsoluta* (Nyl.) Müll. Arg.
Byssoloma rotuliforme (Müll. Arg.) R. Santes.
Calicidium cuneatum Stirt.
Caloplaca bracteata (Hoffm.) Jatta
——— *decipiens* (Arn.) Jatta
——— *etesiae* (Nyl.) D.R.
——— *sublobulata* (Nyl.) Zahlbr.
Catillaria grossa (Pers.) Körber.
Celidium stictarum Tul. (?)
Chiodecton subgelatinosum Müll. Arg.
Coccocarpia gayana (Mont.) Nyl.
——— *porinopsis* (Nyl.) R. Santes.
Collema fasciculare (L.) G. H. Webb.
——— *nigrescens* (Huds.) D.C.
——— *tunaeforme* (Ach.) Ach.
Cornicularia aculeata (Schreb.) Ach.
Crocynia membranacea (Dicks.) Zahlbr.
Dermatocarpon fluviatile (Web.) Th. Fr.
Dimerella diluta (Pers.) Trev.
——— *pallidula* (Müll. Arg.)
——— *planella* (Nyl.)
Diploschistes bryophilus (Ehrh.) Zahlbr.
Endocarpon pusillum Hedw.
Evernia divaricata (L.) Ach.
Graphina acharii (Fée.) Müll. Arg.
Heppia guepini (Del.) Nyl. apud Hue.
Hypogymnia alpicola (Th. Fr.) Har.
——— *encausta* (Sm.) Wats.
Lasallia pustulata (L.) Mérat.
Lecania erysibe (Ach.) Mudd.
Lecanactis abietina (Ehrh.) Körber
Lecanora coarctata (Turn.) Ach.
——— *conisea* Ach. f. *atrynea* (Ach.) Stein.
——— *obscurata* Nyl.
——— *pallescens* Mass
——— *subdepressa* (Arn.) Nyl.
Lecidea cyanopis Stirt.
——— *hypoleia* H. Magn.
——— *leucophaea* (Flörke) Nyl.
——— *melastroma* Nyl.
——— *polycarpa* Flörke
——— *rivulosa* Ach.
——— *symmicta* (Ach.) Ach.
——— *tabacina* (Ram.) Schaer.
Leptogium burgessii (L.) Mont. apud Webb.
——— *lichenoides* (L.) Zahlbr.
Lobaria retigera (Bory) Trevis.
——— *scrobiculata* (Scop.) D.C.
Lopadium leucoxanthum (Spreng.) Zahlbr.
——— *puiggarii* (Müll. Arg.) Zahlbr.
Megalospora vigilans (Tayl.) Zahlbr.
Menegazzia albida (Zahlbr.) R. Santes.
——— *fiordense* R. Santes.
——— *globulifera* R. Santes.
——— *intestiniformis* (Vill.) Räs.
Myriangium duriaei Mont. et Berk.
Nephroma javanicum Gyeln.
——— *zelandicum* Gyeln.

Odontotrema concentricum Stirt.
Omphalodiscus virginis (Schaer.) Schol.
Pannaria immixta Knight
Pannoparmelia angustata (Pers.) Sato
Parmelia isidiotyla Nyl.
Parmeliella plumbea (Lightf.) Müll. Arg.
Pertusaria adscripta Stirt.
——— *cretacea* Müll. Arg.
——— *dactylina* (Ach.) Nyl.
——— *globulifera* (Tuck.) Mass
——— *pertusa* (L.) Tuck.
——— *thelioplaca* Nyl.
Phlyctella peregena Nyl.
Phyllopsora breviuscula Müll. Arg.
Physcia ciliata (Hoffm.) D.R.
——— *elaeina* (Sm.) A. L. Smith
——— *tenella* (Scop.) D.C.
Physma byrsinum (Ach.) Müll. Arg.
——— *rigens* Müll. Arg.
Placopsis brevilobata (Zahlbr.) Lamb.
——— *cribellans* (Nyl.) Räs.
——— *illita* (Knight) Lamb.
——— *lateritioides* Lamb.
——— *salazina* Lamb.
——— *subcribellans* Lamb.
——— *subgelida* (Nyl.) Nyl.
——— *subparellina* Nyl.
Pseudocyphellaria lechleri Müll. Arg.
——— *coronatoides* (Müll. Arg.) Malme (?)
Psora colensoi Bab.
——— *glaucolepida* Nyl.
——— *hypotheja* Lamb.
Psoroma athrophyllum Stirt.
——— *discretum* Nyl.
——— *hirsutulum* Nyl. apud Cromb.
——— *pallidum* Nyl.
——— *pulchrum* Malme
——— *reticulatum* (Hue) Zahlbr.
——— *versicolor* (Hk. and Tayl.) Müll. Arg.
Raciborskiella prasina (Müll. Arg.) R. Santes.
Ramalina banzarensis Dodge
——— *cuspidata* (Huds.) Nyl.
——— *nervulosa* (Müll. Arg.) Des. Abb.
Rhizocarpon neo-zelandicum (Räs.) Räs.
Sarcogyne simplex (Dav.) Nyl.
Schismatomma tumidulum Zahlbr.
Secoliga carneola Bausch.
Siphula dactyliza Nyl.
——— *fragilis* Santes.
——— *moorii* Zahlbr.
Stereocaulon argus Hook. f. and Tayl.
——— *colensoi* Bab.
——— *vesuvianum* Pers. var. *denudatum* (Flörke) Lamb.
Solenospora lecanorina (Arn.) Zahlbr.
Tapellaria phyllophilum (Stirt.) R. Santes.
Thelidia splachnirima (Hk. f. and Tayl.) P. James
Thysanothecium buchanani Knight
——— *hyalinum* (Tayl.) Nyl.
Trichothelium alboatrum Vain.
Usnea alpestris Bab.
——— *constrictula* Stirt.
——— *trichodeoides* Vain.

(Note: The following additional species were listed after the type had been set.)

Acarospora fuscata (Nyl.) Arn.
Alectoria lanata Nyl.
Arthothelium gregarium (Willey) Zahlbr.
Arthopyrenia alba (Schrad.) Zahlbr.
Catillaria ceroplasta (Bab.) Hellb.
——— *concinnior* (Stirt.) Hellb.
——— *rimosa* (Müll. Arg.) Zahlbr.
——— *subbacillifera* (Nyl.) Hellb.
Coccocarpia gayana (Mont.) Nyl.
Dermatocarpon miniatum (L.) Mann.
Dictyographa cinerea (Kn. and Mitt.) Müll. Arg.
Graphis nigririmis (Nyl.) Mull. Arg.
Laurera connivens (Nyl.) Zahlbr.
——— *cumingii* (Mont.) Zahlbr.
Nephroma homalodes Nyl.
Physcia tenella (Scop.) D.C.
Pseudoeyphellaria gilva (Ach.) Malme
——— *hirsuta* (Mont.) Vain.
——— *thouarsii* (Del.)
Psoroma campbelliana Zahlbr.
Stereocaulon pulvinare Dodge
Usnea malacea Zahlbr.
——— *rupestris* Mot.

SPECIES IN CATALOGUE DELETED AS SYNONYMS

(a) As recorded by Hale and Culberson. (An asterisk denotes a taxon not already listed in the catalogue.)

Arthopyrenia litoralis (Tayl.) Arn.	=	* *Arthopyrenia sublitoralis* (Leight.) Arn.
Biatorella simplex (Dav.) Brunth et Rostr.	=	* *Sarcogyne simplex* (Davies) Nyl.
Catinaria leucoplaca (Lam.) Zahlbr.	=	* *Catillaria grossa* (Pers.) Körber
Collema furvum (Ach.) D.C.	=	* *Collema tunaeforme* Ach.
——— *pulposum* (Bernh.) Ach.	=	——— *tenax* (Sw.) Ach.
——— *rupestris* A. L. Smith	=	* ——— *flaccidum* (Ach.) Ach.
Dermatocarpon aquaticum (Weis.) Zahlbr.	=	* *Dermatocarpon fluviatile* (Web.) Th. Fr.
Lecanora atrynea (Ach.) Körber	=	* *Lecanora conisea* Ach. f. *atrynea* (Ach.) Stein.
——— *symmicta* Ach.	=	* *Lecidea symmicta* (Ach.) Ach.
Lepraria flava (Schreb.) Ach.	=	*Lepraria candelaris* (L.) Fr.
Lobaria verrucosa (Huds.) Hoffm.	=	* *Lobaria scrobiculata* (Scop.) D.C.

Menegazzia pertusa (Schrank.) Schaer.	=	*Menegazzia terebrata* Hoffm.
Parmelia olivaria (Ach.) Th. Fr.	=	*Parmelia reticulata* Tayl.
——— *trichotera* Hue	=	——— *perlata* (Huds.) Ach.
Pertusaria ceuthocarpa (Sm.) Turn. et Bon.	=	*Pertusaria ceuthocarpoides* Zahlbr.
Physcia adglutinata (Flörke) Nyl.	=	* *Physcia elaeina* (Sm.) A. L. Smith
——— *crispa* Nyl.	=	——— *albicans* (Pers.) Thoms.
——— *obscura* (Ehrh.) Hampe	=	* ——— *ciliata* (Hoffm.) D.R.
Pyrenula laevigata (Pers.) Arn.	=	* *Pyrenula glabrata* (Ach.) Mass.
Schismatomma abietinum (Ehrh.) Mass.	=	* *Lecanactis abietinum* (Ehrh.) Körber.
Stereocaulon denudatum (Hepp.) Flörke	=	* *Stereocaulon vesuvianum* var. *denudatum* (Flörke) Lamb

(b) Additional Synonyms in Catalogue.

Acarospora otagoensis Magn.	=	* *Acarospora fuscata* (Nyl.) Arn.
Anaptychia hypoleuca var. *colorata.* Zahlbr.	=	* *Anaptychia heterochroa* Vain.
Anzia angustata (Pers.) Müll. Arg.	=	* *Pannoparmelia angustata* (Pers.) Sato
Collema aggregata (Ach.) Rohl.	=	* *Collema fasciculare* (L.) G. H. Webb.
Lecanora symmicta (Ach.) Ach.	=	* *Lecidea symmicta* (Ach.) Ach.
——— *trachyderma* Kremp.	=	*Placopsis trachyderma* (Kremp.) James
Lecidea leptophaea (Flörke) Nyl.	=	* *Lecidea leucophaea* (Flörke) Nyl.
——— *meiospora* Nyl.	=	* ——— *subglobulata* Knight
——— *myriocarpa* (D.C.) Rohl.	=	*Buellia ferax* Müll. Arg.
——— *subcarnea* Ach.	=	*Catillaria subcarnea* (Müll. Arg.) Zahlbr.
Leptogium rigens Nyl.	=	* *Physma rigens* Müll. Arg.
Lopadium phyllophilum (Stirt.) Müll. Arg.	=	* *Tapellaria phyllophilum* (Stirt.) R. Santes.
Pannaria atrofumosa Knight	=	* *Pannaria immixta* Knight
——— *prolifera* Müll. Arg.	=	* ——— *rubiginosa* var. *prolifera* Nyl.
——— *rubiginosa* var. *lanuginosa* Zahlbr.	=	——— *pityrea* (D.C.) Degel.
Parmelia pubescens (L.) Vain	=	* *Alectoria pubescens* (L.) Howe
Parmeliella gayana (Mont.) Müll. Arg.	=	* *Coccocarpia gayana* (Mont.) Nyl.
Phlöeopannaria athrophyllum (Stirt.) Zahlbr.	=	* *Psoroma athrophyllum* Stirt.
Phylloporina asplenii Zahlbr.	=	* *Trichothelium alboatrum* Vain.
Pilophoron colensoi (Bab.) Knight	=	* *Stereocaulon colensoi* Bab.
Placopsis alphaplacoides Lamb	=	*Placopsis trachyderma* (Kremp.) James
——— — var. *clavifera* Lamb	=	——— — var. *clavifera* (Lamb) James
Psoroma buchanani (Knight) Nyl.	=	* *Psoroma athrophyllum* Stirt.
Ramalina yemensis (Ach.) Nyl.	=	*Ramalina ecklonii* (Spreng.) Mey. et Flot.
Rhizocarpon petraeum (L.) Mass.	=	*Rhizocarpon grande* (Flörke) Arn.
Stereocaulon proximum Nyl.	=	* *Stereocaulon vesuvianum* var. *denudatum* (Flörke) Lamb
Thysanophoron stereocauloides (Nyl.) Sato	=	*Sphaerophorus stereocauloides* Nyl.
Trypethelium bicolor Knight	=	*Trypethelium phlyctaena* Fée

SPECIES DUPLICATED IN CATALOGUE UNDER DIFFERENT GENERIC NAMES

Delete		Retain
Arthothelium conspicuum (Nyl.) Nyl.	=	*Arthonia conspicua* Nyl.
——— *dispersum* (D.C.) Mudd.	=	——— *dispersa* (Schrad.) Nyl
——— *indistinctum* Knight et Mitt.	=	——— *indistincta* Knight et Mitt.
Bacidia ferax Müll. Arg.	=	*Buellia ferax* Müll. Arg.
——— *rhyparabola* (Nyl.) Zahlbr.	=	*Catillaria rhyparabola* (Nyl.) Zahl.
Lecanora trachyderma Kremp.	=	*Placopsis trachyderma* (Kremp.) James
Lecidea arceutina (Ach.) S. Gray	=	*Bacidia arceutina* (Ach.) Rehm.
——— *colensoi* Bab.	=	*Blastenia colensoi* Müll. Arg.
——— *consanguinea* Hue	=	——— *consanguinea* Müll. Arg.
——— *subcarnea* Ach.	=	*Catillaria subcarnea* (Müll. Arg.) Zahlbr.
——— *venustula* Stirt.	=	*Lopadium venustulum* (Stirt.) Zahlbr.
Opegrapha constricta Kremp.	=	*Schismatomma constrictum* (Kremp.) Zahlbr.
Sticta muelleriana Zahlbr.	=	*Pseudocyphellaria muelleriana* (Zahlbr.)
Thysanophoron stereocauloides (Nyl.) Sato	=	*Sphaerophorus stereocauloides* Nyl.

Further Recorded Species Now Deemed Synonyms

Alectoria minuscula Nyl.	=	*Parmelia minuscula* (Nyl.) Nyl.
Collema plicatile Ach.	=	*Leptogium plicatile* (Ach.) Leight
Endopyrenium hepaticum Körber	=	*Dermatocarpon hepaticum* (Ach.) Th. Fr.
Lecanora albella (Pers.)	=	*Lecanora pallida* (Schreb.) Rabh.
——— *flavidofulva* Müll. Arg.	=	——— *pallidocerina* (Eschw.) Nyl.
——— *glaucoma* Ach.	=	——— *rupicola* (L.) Zahlbr.
Lecidea sabuletorum (Schreb.) Fr.	=	*Bacidia sabuletorum* (Flörke) Lettau
——— *simplex* Tayl.	=	*Sarcogyne simplex* (Dav.) Nyl.
Leptogium dendroides Nyl.	=	*Dendriscocaulon bolacinum* var. *dendroides* Vain.
——— *diaphanum* Mont.	=	*Leptogium moluccanum* (Pers.) Vain.
——— *lacerum* S. Gray	=	——— *lichenoides* (L.) Zahlbr.
Melanotheca ornata Müll. Arg.	=	*Melanotheca connivens* (Stirt.) Zahlbr.
Nephromium laevigatum Nyl.	=	*Nephroma helveticum* Ach.
Opegrapha varia Pers.	=	*Opegrapha pulicaris* (Hoffm.) Nyl.
Parmelia encausta (Sm.) Ach.	=	* *Hypogymnia encausta* (Sm.) Wats.
Pannaria brunnea Mass.	=	*Pannaria pezizoides* (Web.) Trevis
Parmeliella muscorum (Fr.) Müll. Arg.	=	*Massalongia carnosa* (Dicks.) Körber
——— *nigra* Müll. Arg.	=	*Placynthium nigrum* (Huds.) S. Gray
——— *triptophylla* (Ach.) Müll. Arg.	=	*Parmeliella corallinoides* Zahlbr.
Patellaria albidolutea Müll. Arg.	=	*Bacidia chrysocarpa* Knight
——— *baliola* Müll. Arg.	=	*Catillaria nigroclavata* (Nyl.) Schaler.
——— *brachyspora* Müll. Arg.	=	*Bacidia nanospora* Knight
——— *caesiopallens* Müll. Arg.	=	*Catillaria caesiopallens* (Nyl.) Zahlbr.
——— *corroborans* Müll. Arg.	=	——— *corroborans* (Stirt.) Zahlbr.
——— *cyrtella* Müll. Arg.	=	*Lecania erysibe* (Ach.) Mudd.
——— *domingensis* Pers.	=	*Bombyliospora domingensis* (Pers.) Zahlbr.
——— *gompholoma* Müll. Arg.	=	*Megalospora marginiflexa* (Hk. f. et Tayl.) Zahlbr.
——— *hemitropa* Müll. Arg.	=	*Catillaria hemitropa* (Nyl.) Zahlbr.
——— *interponens* Müll. Arg.	=	*Bacidia macrospora* (Knight) Zahlbr.
——— *lenticularis* Müll. Arg.	=	*Catillaria lenticularis* (Ach.) Th. Fr.
——— *leucoplacoides* Müll. Arg.	=	*Catillaria leucoplacoides* (Kremp.) Zahlbr.
——— *maculosa* Müll. Arg.	=	——— *maculosa* (Stirt.) Zahlbr.
——— *melaclina* Müll. Arg.	=	——— *melaclina* (Nyl.) Zahlbr.
——— *melaleuca* Müll. Arg.	=	——— *melaleuca* (Tuck.) Zahlbr.
——— *pulverea* Müll. Arg.	=	——— *pulverea* (Borr.) Lettau
——— *pyrophthalma* Müll. Arg.	=	——— *pyrophthalma* (Mont.) Zahlbr.
——— *rosellopallida* Müll. Arg.	=	*Bacidia albidoprasina* Knight
——— *spirospora* Müll. Arg.	=	* ——— *spirospora* Knight
——— *spodophana* Müll. Arg.	=	*Catillaria spodophana* (Nyl.) Zahlbr.
——— *stillata* Müll. Arg.	=	——— *kelica* (Stirt.) Zahlbr.
——— *subcarnea* Müll. Arg.	=	——— *subcarnea* (Müll. Arg.) Zahlbr.
——— *sublivens* Müll. Arg.	=	——— *sublivens* (Nyl.) Zahlbr.
——— *subvigilans* Müll. Arg.	=	*Megalospora subvigilans* (Müll. Arg.) Zahlbr.
——— *sulphurata* Müll. Arg.	=	——— *sulphurata* Mey. et Flot.
——— *synothea* Duby.	=	*Catillaria synothea* (Kremp.) Beltram
——— *tuberculosa* Spreng	=	*Bombyliospora tuberculosa* (Fée) Mass.
——— *versicolor* Müll. Arg.	=	* *Megalospora vigilans* (Tayl.) Zahlbr.
Phlyctis antaxia Nyl.	=	*Phlyctella antaxia* Nyl.
Physma pannarinum Müll. Arg.	=	*Lempholemma pannarinum* (Nyl.) Zahlbr.
Placodium albescens D.C.	=	*Lecanora albescens* (Hoffm.) Flörke
——— *bracteatum* Nyl.	=	* *Caloplaca bracteata* (Hoffm.) Jatta.
——— *thaumastrum* Müll. Arg.	=	*Placopsis perrugosa* Nyl.
Platygrapha atrata Stirt.	=	*Schismatomma atratum* (Stirt.) Zahlbr.
——— *myriommata* Knight	=	——— *myriommata* (Knight) Zahlbr.
——— *occulta* Knight et Mitt.	=	——— *occultum* (Knight) Zahlbr.
Psoroma buchanani Nyl.	=	* *Psoroma athrophyllum* Stirt.
——— *descendens* Nyl.	=	*Psoromaria descendens* Nyl.
——— *lanuginosum* Müll. Arg.	=	*Pannaria rubiginosa* var. *lanuginosa* Zahlbr.
Ramalina yemensis Nyl.	=	*Ramalina ecklonii* (Spreng.) Mey. et Flot.
Trypethelium bicolor Tayl.	=	*Trypethelium phlyctaena* Fée
Thyrea pulvinata Mass	=	* *Pyrenopsis pulvinata* (Schaer.) Th. Fr.

ERRATA IN CATALOGUE

For	Read
Hypnogymnia	*Hypogymnia*
„ *Leptotrema monosporoides* var. *saxatile*	„ *Leptotrema monosporum* var. *saxatile*
„ *Megalospora dispersa*	„ *Megalospora dispora*
„ *Phlyctella abstrusa*	„ *Phlyctella abstersa*
„ ——— *neozelandiae*	„ ——— *neozelandica*
„ *Psoroma xanthomelum*	„ *Psoroma xanthomelaenum*
„ *Rinodina xanthomelum*	„ *Rinodina xanthomelaenum*
„ *Schistatomma*	„ *Schismatomma*
„ *Sphinctrina leucopoides*	„ *Sphinctrina leucopodoides*
„ *Siphula rosellaeformis*	„ *Siphula roccellaeformis*
„ *Usnea articulata* var. *tenuior*	„ *Usnea articulata* var. *tenerior*
„ ——— *implicata*	„ ——— *implicita*

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